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adenosine hair growth

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Minoxidil-induced hair growth is mediated by adenosine in cultured dermal papilla ...

M Li, A Marubayashi, Y Nakaya, K Fukui, S ... - Journal of Investigative ..., 2001 - nature.com

The mechanism by which minoxidil, an adenosine-triphosphate-sensitive potassium channel opener, induces hypertrichosis remains to be elucidated. Minoxidil has been reported to stimulate the production of vascular endothelial growth factor, a possible promoter of hair growth, in ...

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Human hair growth in vitro- [biologists.org \(PDF\)](#)

MP Philpott, MR Green, T Kealey - Journal of Cell Science, 1990 - jcs.biologists.org

Page 1. Human hair growth in vitro MICHAEL P. PHILPOTT 1 *, MARTIN R. GREEN 2 and TERENCE KEALEY 1 * ... Hair growth, which is effected by the division of the hair follicle matrix cells under control of the dermal papilla, is cyclical in the mammal. ...

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Control of hair growth and follicle size by VEGF-mediated angiogenesis- [nih.gov](#)

K Yano, LF Brown, M Detmar - Journal of Clinical Investigation, 2001 - Am Soc Clin Investig

... Minoxidil-Induced Hair Growth is Mediated by Adenosine in Cultured Dermal Papilla Cells: Possible Involvement of Sulfonylurea Receptor 2B as a Target of Minoxidil Ming Li, Azusa Marubayashi, Yutaka Nakaya, Kiyoshi Fukui, Seiji Arase J Invest Dermatol 117(6):1594. ...

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[PDF] Minoxidil: mechanisms of action on hair growth

AG Messenger, J Rundegren - British Journal of Dermatology, 2004 - dslaboratories.co.uk

... of VEGF in the outer root sheath increased perifollicular vascularization and led to accelerated hair growth following depilation and the growth of larger ... from experiments on cultured dermal papilla cells.41 They found that adenosine also increases VEGF release and ...

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... Improves Cell Proliferation, Wound Healing, and Hair Growth* 1- Full Text@IngentaConnect

LL Sun, LL Xu, TB Nielsen, P Rhee, D Burris - Journal of Surgical Research, 1999 - Elsevier

... Available online 27 March 2002. Abstract. Background. N 6 -Cyclopentyladenosine (CPA), a structural analog of adenosine, is a vasodilator with extensive pharmacological effects. However, little is known about the effect of CPA on wound healing and hair growth. Methods. ...

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A2A adenosine receptor protects tumors from antitumor T cells- Full View

A Ohta, E Gorelik, SJ Prasad, F ... - Proceedings of the ..., 2006 - National Acad Sciences

... 1 b), increased adenosine metabolism, and the concomitant increase in cAMP (29) in a solid tumor microenvironment (Fig. ... defined tumors in A2AR \rightarrow mice often showed central necrosis, and, in some mice, their disappearance and healing were accompanied by hair loss. ...

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... of the mitogen-activated protein kinase SIMK in regulation of root hair tip growth

J Šamaj, M Ovecka, A Hlavacka, F Lecourieux, ... - The EMBO ..., 2002 - pubmedcentral.nih.gov

... of active SIMK affects root **hair** formation and **growth**. In order to see whether SIMK is necessary for root **hair growth**, both gain-of-function and loss-of-function constructs of SIMK (SIMK-GOF and SIMK-LOF) were produced and stably expressed in transgenic tobacco. ...

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... and expression of tyrosinase gene in relation to hair cycle and dexamethasone ...

G Ermak, A Slominski - Journal of Investigative Dermatology, 1997 - nature.com

... 217: 1163–1165, 1982 | PubMed | ISI | ChemPort |; Kuchler, K, Thorner, J: Secretion of peptides lacking hydrophobic signal sequence: the role of **adenosine** triphosphate-driven ... Paus, R, Maurer, M, Slominski, A, Czarnetzki, B: Mast cell involvement in murine **hair growth**. ...

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Adenosine receptors and wound healing, revised. - nyu.edu [PDF]

BM Cronstein - TheScientificWorldJOURNAL, 2006 - thescientificworld.com

... J. Surg. Res. 87, 14–24. 11. Li, M., Marubayashi, A., Nakaya, Y., Fukui, K., and Arase, S. (2001) Minoxidil-induced **hair growth** is mediated by **adenosine** in cultured dermal papilla cells: possible involvement of sulfonylurea receptor 2B as a target of minoxidil. J. Invest. Dermatol. ...

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Molecular mechanisms of androgenetic alopecia - haironline.com [PDF]

RM Trüeb - Experimental gerontology, 2002 - Elsevier

... dermal papilla cells are believed to influence **growth** of other components of the **hair** follicle. Current available treatment modalities with proven efficacy are oral finasteride, a competitive inhibitor of type 2 5 α -reductase, and topical minoxidil, an **adenosine**-triphosphate-sensitive ...

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